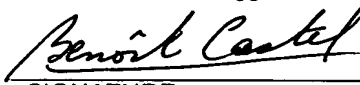


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. <b>3502-1068</b> U.S. Application No. <b>10/510746</b>
INTERNATIONAL APPLN. NO. <b>PCT/FI03/00279</b>	INTERNATIONAL FILING DATE <b>April 11, 2003</b>	PRIORITY DATE CLAIMED <b>April 11, 2002</b>
TITLE OF INVENTION: <b>OPTICAL WAVEGUIDE</b>		
APPLICANT(S) FOR DO/EO/US: <b>Timo AALTO</b>		
Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) or a Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations.</li> <li>12. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s)).</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <u><b>International Search Report (PCT/ISA/210), Abstract of the Disclosure</b></u></li> </ol>		

U.S. APPLICATION NO. <b>10/510746</b>		INTERNATIONAL APPLN. NO. PCT/FI03/00279		ATTORNEY DOCKET NO. 3502-1068																															
21. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)):</b>  Neither international preliminary examination fee nor international search fee paid to USPTO and international Search Report not prepared by the EPO or JPO ..... <b>\$1110.00</b>  International preliminary examination fee not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$950.00</b>  International preliminary examination fee not paid to USPTO but International search fee paid to USPTO ..... <b>\$790.00</b>  International preliminary examination fee paid to USPTO but all claims did not satisfy provision of PCT Article 33 (1)-(4) ..... <b>\$750.00</b>  International preliminary examination fee paid to USPTO and all claims satisfied provision of PCT Article 33 (1)-(4) ..... <b>\$100.00</b>  <b>ENTER APPROPRIATE BASIC FEE AMOUNT</b>				<b>CALCULATIONS PTO USE ONLY</b>																															
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e))				<b>\$ 1,110.00</b>																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;">\$</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>8 - 20 =</td> <td>0</td> <td>x <b>\$18.00</b></td> <td>\$</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>2 - 3 =</td> <td>0</td> <td>x <b>\$88.00</b></td> <td>\$</td> <td></td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ <b>\$300.00</b></td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATION =</b></td> <td><b>\$ 1,240.00</b></td> <td></td> </tr> </tbody> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$		Total Claims	8 - 20 =	0	x <b>\$18.00</b>	\$		Independent Claims	2 - 3 =	0	x <b>\$88.00</b>	\$		MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ <b>\$300.00</b>	\$		<b>TOTAL OF ABOVE CALCULATION =</b>				<b>\$ 1,240.00</b>			
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<b>TOTAL OF ABOVE CALCULATION =</b>				<b>\$ 1,240.00</b>																															
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$																															
<b>SUBTOTAL =</b>				<b>\$ 1,240.00</b>																															
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$																															
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 1,240.00</b>																															
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) <b>\$40.00</b> per property +				\$																															
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 1,240.00</b>																															
				Amount to be refunded:	\$																														
				Charged:	\$																														
<input checked="" type="checkbox"/> A check in the amount of <b>\$1,240.00</b> to cover the above fees is attached.  <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.  <input checked="" type="checkbox"/> The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.																																			
SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23 <sup>rd</sup> Street Arlington, VA 22202 Telephone (703) 521-2297  Y&T Customer No. <b>00466</b> BC/ia			 SIGNATURE  Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER  October 12, 2004 DATE																																